

Material Safety Data Sheet for Natural Power Products

GENERAL INFORMATION

Product Name: **Advanced Natural Power Growth/Bloom Excellarator**
Date revised: 20-08-2009
Manufactured by: Advanced Hydroponics of Holland B.V.
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Advanced Natural Power Growth/Bloom Excellarator is a 100% natural extract based on a mix of different seaweeds with growth stimulating properties, especially for vegetative growth.

Advanced Natural Power Growth/Bloom Excellarator is not a fertilizer, it is a so-called biostimulant. It does not contain micro-organisms. At very low concentrations, biostimulants improve essential biochemical processes in plant and soil, thus improving plant growth and resistance to stress. Biostimulants are thus not a replacement for fertilizers, dung or other sources of minerals, they just allow the plant to perform better.

This cold extracted product is not amended with minerals like many other 'green' extracts and thus it contains mainly organic compounds like aminoacids, enzymes, auxins, cytokinins, gibberellins, betaines, alginates, various sugars, etc.

At low levels of application, **Advanced Natural Power Growth/Bloom Excellarator** enhances nutrient uptake from the soil or from applied fertilizers, in this way protecting nutrients from leaching out of the upper root layer. It is strongly advised to use **Advanced Natural Power Growth/Bloom** on a regular basis to provide plants with a maximum of growth vigour and resistance.

In the Netherlands, **Advanced Natural Power Growth/Bloom** is successfully used in professional intensive indoors and outdoors horticulture (vegetables,

fruits, bulbs, flowers), on recreation areas (golf, soccer, parks) and in normal and landscape gardens

Ingredients

Mixture of specific seaweeds

Form

Finely filtered solutions with pH 4.5 to 5.5

Function

Stimulation of vegetative growth

Application methods

Spraying, application through irrigation systems or soaking (roots, seeds)

Dosage

Foliar application: first application 10-20 L/ha, following applications 5 L/ha

Irrigation system: first application 20 L/ha, following applications 10 L/ha

Soaking: Use a dilution of 1:100 (1%). Soak seeds for several hours.

Application interval

Bi-weekly during vegetative growth

Package

0,25 / 0,5 / 1 and 5 litre bottles/can

Storage

As this is a 100% natural product, storability is strongly reduced once the can is opened.

Guaranteed analysis **Advanced Natural Power Growth/Bloom Excellerator** in
a 1:2 CaCl₂ extract

Ec (mS/cm)	6.5 – 7.5
pH-KCl	4,5 – 5,5

	mmol/l	μmol/ l	mg/l	μg/l
NH₄	2.2		40	
NO₃	0.3		19	
P	6.4		198	
K	17.2		673	
Ca	10.3		413	
Mg	2.2		53	
SO₄	93.7		9001	
Fe		19		1061
Mn		9		505
Zn		11		719
B		21		227
Cu		2.3		146
Mo		0.1		10
Si	0.27		8	
HCO₃	89.7		5472	
Na	36.0		828	
Cl	6.5		230	

Legislation:

**All compounds in this product are allowed for use in organic agriculture
according EU regulation 2092/91 Annex II**